

PRESS RELEASE / PRESSEMITTEILUNG

ceraspace™ technology shines now in high-visibility

April 2015: ceraspace™ technology from Schoeller now combines color and safety. Different color options are possible, among them diverse brown and olive shades and even a high-vis-yellow color. These functional fabrics with ceraspace™ technology display significantly higher abrasion resistance than leather and feature a stretchy soft-shell-comfort that is very agreeable to wear.



The new **ceraspace™** technology from Schoeller owes its outstanding protective properties to a unique composition of special ceramic particles anchored in a polymer matrix. The special ceramic particles are nearly as hard as diamonds and are firmly attached as a 3-dimensional coating to the textile. A textile with **ceraspace™** proves to perform significantly higher than high-quality leather in terms of abrasion. The new high-vis-yellow version offers now highest visibility compared with security. The **ceraspace™** coating brightens as color-matching is possible with the base fabrics in the signal color. Versions that are more insensitive to dirt are brownish and olive green shades.

Best abrasion resistance at everyday work



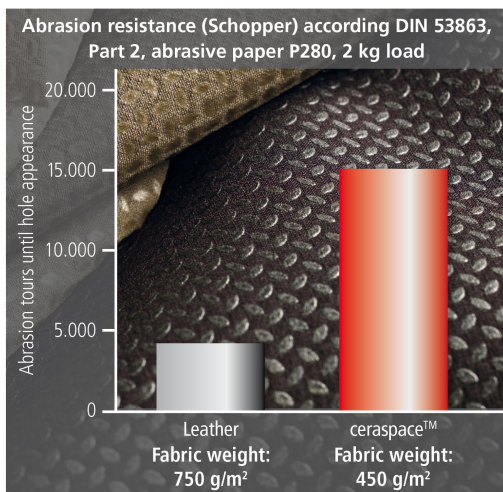
The Schopper Abrasion tester uses abrasive paper P280 grid and performs the test until a hole in the textile appears. **ceraspace™** wears out significantly slower. A second test, the Fall Simulator Test simulates a fall from a motorcycle and damages to the textile after the fall are evaluated. With **ceraspace™** technology, even lightweight tested samples support crashes at minimum 80 km/ hour on this test. Thanks to the duroplastic properties of the polymer, no melting is possible, minimizing the possibility of exposure to harmful heat and abrasion for the wearer.

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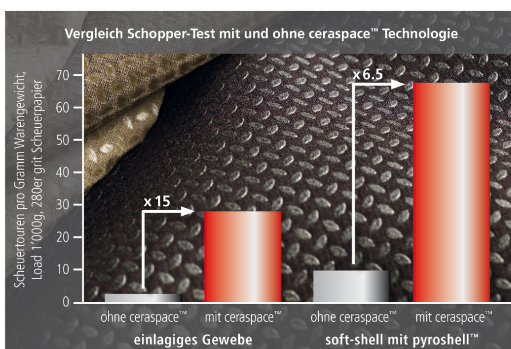
soft-shell comfort

ceraspace™ is used in all areas in which textiles with maximum protective properties are required, such as, motorcycle, workwear and military apparel; footwear or protective trim for ski and outdoor clothing. The carrier materials, onto which the **ceraspace™** technology is added are available in full width and lengths and are variable depending on the requirements of functionality and end application. Therefore, this highly technological protective function can also be applied on soft and smooth soft-shell fabrics. Or as a fabric with a limited flame spread property, which protects against small hazardous molten metal splatters, short contact with flame and heat and also convective heat. The **ceraspace™** coating is characterized in general by a high washing and dry cleaning permanence.

ceraspace™ in the test:



A textile with ceraspace™ performs significantly better than high quality leather in terms of abrasion. In the aggressive Schopper-Test abrasive paper is used to test abrasion until a hole appears. ceraspace™ wears out significantly slower. Taken in the relation of additional fabric weight, the advantage is even more significant. Leather stays intact for average 5.3 tours/ gram fabric weight, the ceraspace™ fabric wears out only after 33.3 tours/ gram fabric weight. The tested leather is goat skin with 1.5 mm thickness.



The comparison of two schoeller® fabrics with an without ceraspace™ technology shows immediately, that the abrasion resistance increases significantly thanks to the ceramic coating. Therefore the fabrics with ceraspace™ are the ideal and durable solution for abrasion sensible parts of the workwear garment or the uniform.